

## ABSTRACT

A system and method are provided for processing digital multi-colour images for the reproduction thereof on a colour printing and/or copying system. Image dots of marking particles of the respective colours associated with the respective colour separation images are positioned contiguous to each other as long as the print area corresponding to the image part to be reproduced is not fully covered so as to create a first layer of marking particles. If the area is fully covered and the image is not yet completely rendered, a second and any following layer of contiguously positioned marking particles is formed on top of the first layer of image dots. The halftoning of the digital image is such that within the same layer all images dots, irrespective of their colour, are obtained using a raster of the same matrix structure, while image dots associated with different layers are obtained using rasters of different matrix structures.